

Cardiac Stimulation Apparatus With Multiple Input Sense Amplifiers

Abstract

An implantable cardiac stimulation system having a cardiac stimulator having a multi-electrode lead attached to the stimulator. The electrodes may be circumferential coils or rings. Each one of one or more sets of electrodes, each set of electrodes comprising a plurality of electrodes, is associated with a single sense amplifier. Switches sequentially connect the sense amplifier to each of the electrodes in the attached set. A switching or sampling rate is maintained such that significant information regarding the electrical condition of the heart can be extracted. Switches connect inactive feedback capacitors to ground thereby maintaining the band pass characteristics of a selected channel.